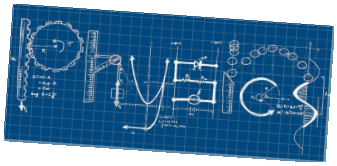
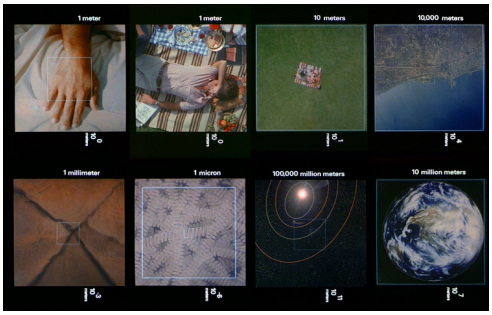
Welcome to PHYSICS!!!

SECA Physics
Wednesday 11 June 2014



H. Leslie Grebe
Room C-244



Opening Question:

Where else (besides astronomy) would scientific notation help us with really big / small numbers?

Sep 7-7:04 AM

Our 3 Questions

- Expectations
- Points
- GTKY?

* Most periods except test/project times
* 3 Questions on the topics of the class
* Main source of classwork points
* I am happy to give full credit when I have no concerns about someone giving or getting help with the answers.

You can't get your points if you don't have your NAME!!!

Name	Period
1.	
2.	
3.	

Sep 9-7:32 AM

Computer worksheet

Think of places that are very different population from your town.
Look up the population and put it in the right row. Do 5 rows.

Then think about different sizes in space. I did the radius of the moon which is 1700 km. You could do radius of other things or look up things like distance to the sun.

If you have more time, try the problems on the back.

http://scaleofuniverse.com/

Extra time = Interview the teacher

Nov 16-7:37 AM

Welcome back...

H. Leslie Grebe

* Pick up:
  -worksheet

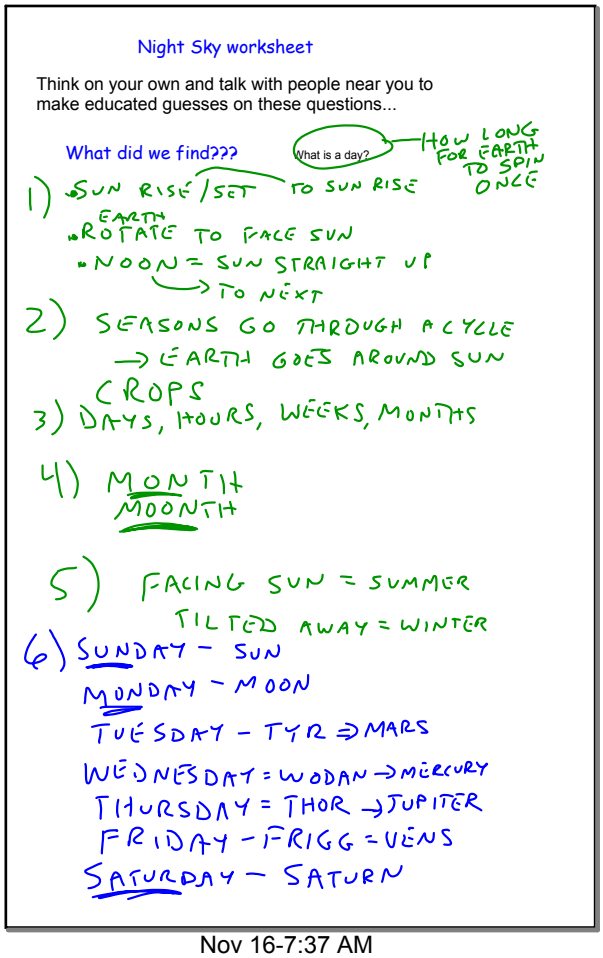
http://www.youtube.com/watch?v=3V3rmDG5J8A

http://www.youtube.com/watch?v=oLd1gpVa5TY

Opening Question:

In what ways might observing the objects in the sky have helped ancient people survive? WHERE YOU ARE
WHAT TIME IT IS

Sep 7-7:04 AM



Nov 16-7:37 AM

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Sep 9-7:32 AM

1. Which amount of time corresponds to the earth spinning around once?
   a. day
   b. week
   c. month

2. Write down a day of the week and where its name comes from.
   MONDAY - MOON
   SUNDAY - SUN

3. Which is approximately the amount of time from one new (or full) moon to the next?
   a. week
   b. month MOONTH
   c.year

Jun 11-11:23 AM

Welcome back...

H. Leslie Grebe

* Pick up:
  -worksheet

Interview the teacher

Opening Question:

If the SUN were the size of this mini soccer ball, how big would you guess the earth should be?

Sep 7-7:04 AM

Scaled-down model = all size shrunk by same factor

- size of earth? PEA SIZE
- distance from earth to sun? 1 – 4 FT

"What do you know" worksheet...

Not for points --
just let me know what you think / guess

Nov 16-7:37 AM

Scale worksheet 10,000,000 => 7 zeros

Example: Mercury: 57,950,000 km from sun => 5.8 m

4866 km across: = .04 cm

100,000 km = 1 cm
=> 5 zeros

What did we find?

GUESS: EARTH PEA ~4 FT

REALLY: TIP OF PEN 45 FT

Apr 19-7:46 AM

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Sep 9-7:32 AM

1) In our 1:10,000,000,000 scale model that we built in the hallway, how far is the earth from the sun?

a. less than one meter (1 yard)
b. about 15 meters (~15 yards)
c. all the way at the far end of the hall

2) In our model, about how big is the earth?

a. the size of the tip of a pen
b. the size of a pea
c. the size of a golf ball

3) In our model, what was the furthest planet that fit in our hallway? MARS

Jun 11-11:28 AM